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CLAIMS

[Claim(s)]

[Claim 1] The hair coloring tools characterized by being the tools connected with the connection components which can open and close two semi-cylindrical shape components, having the fitting structure of having the function in which the closed structure is maintainable, and having liquid maintenance structure inside the two semicircle cylinders concerned.

[Claim 2] The hair coloring tools according to claim 1 characterized by the space inside the cylinder made at the time of closing being the diameter of 0.1–10cm.

[Claim 3] The hair coloring tools according to claim 1 or 2 characterized by liquid maintenance structures being attachment and detachment and exchangeable structure.

[Claim 4] The hair coloring tools which connect hair coloring tools given in any 1 term of two claims 1–3 so that a hole in the air may continue, and are characterized by the two cylinder structures concerned being the structures which can be opened and closed independently.

[Claim 5] Hair coloring tools given in any 1 term of claims 1–3 characterized by infiltrating a mascara-like hair coloring agent into liquid maintenance structure.

[Claim 6] The hair coloring tools according to claim 4 characterized by sinking the 1st liquid (liquid containing the quality of an oxide-ed) of oxidation hair dye into one of the two of two connected hair coloring tools, and infiltrating the 2nd liquid (oxidizer) into another side.

[Claim 7] Hair coloring tools given in any 1 term of claims 1–6 characterized by being an object for partial hair coloring.

[Translation done.]

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DETAILED DESCRIPTION

[Detailed Description of the Invention]**[0001]**

[Field of the Invention] This invention relates to hair coloring tools useful to partial coloring of hair.

[0002]

[Description of the Prior Art] The ornament of hair is not concerned with young and old, but prospers in recent years. Till the former, it was in use to have dyed all the hair of all hair the same color. However, in these days, partial dyeing is made multiple color or hair dyeing or coloring have come to be briskly performed in a part of hair. Becoming a problem most in partial coloring of such hair was coloring certainly the hair which should be colored finely, and for this reason, it had to trouble many men's hand and had to color respectively carefully. That is, it had to be called unfulfilled dream to carry out partial dyeing easily by one person in spite of having been wished. This was wished similarly in the case of the decolorizer which uses hair dye and a hydrogen peroxide as a principal component temporarily like a mascara mold also in the case of permanent hair dye like oxidation type hair dye.

[0003] On the other hand, although the tools which prevent the tools with which the hair of hair is medicated exactly, for example, hair dye, etc. leaking to the skin are developed, the tools for using hair coloring agents, such as hair dye and a charge of a mascara mold hair ornament The tools for carrying out partial coloring easily finely were not yet developed once, and They are the tools connected with the connection components which can open and close two semi-cylindrical shape components. Existence of the tools which have structure similar to the tools and this which are characterized by having the fitting structure of having the function in which the closed structure is maintainable, and having liquid maintenance structure inside the two semicircle cylinders concerned is not known. Of course, using it as tools for partial coloring of such tools of hair was not known at all.

[0004]

[Problem(s) to be Solved by the Invention] This invention is performed under such a situation and let it be a technical problem to offer the tools which cheat out of partial coloring of hair possible finely easily.

[0005]

[Means for Solving the Problem] The result to which this invention persons stepped up research efforts wholeheartedly in view of this situation in quest of the tools which cheat out of partial coloring of hair possible finely easily, They are the tools connected with the connection components which can open and close two semi-cylindrical shape components. It finds out that the tools characterized by having the fitting structure of having the function in which the closed structure is maintainable, and having liquid maintenance structure inside the two semicircle cylinders concerned have such a function, and came to complete invention. In addition, in this invention, color material is made to adhere to hair, such as hair of hair, a mustache, a supercilium, and eyelashes, or the color tone of such hair besides the positive coloring which carries out a chemical bond is meant as coloring of hair also including the negative coloring which decolorizes with a hydrogen peroxide etc. and is changed. Hereafter, explanation is added

to a detail focusing on the gestalt of operation about this invention.

[0006]

[Embodiment of the Invention]

(1) The hair coloring tools of hair coloring tools this invention of this invention are tools connected with the connection components which can open and close two semi-cylindrical shape components, and are characterized by having the fitting structure of having the function in which the closed structure is maintainable, and having liquid maintenance structure inside the two semicircle cylinders concerned. That is, when fitting of the hair coloring tools of this invention is carried out and they close the fitting section, it has the space as for which the shape of a cylinder carried out vertical disconnection in the cylindrical innermost section, and has liquid maintenance structure in the outside, and the outermost shell serves as the structure of tools. If it is the ingredient which maintains structure as a raw material of the outermost structure here, composite material like the lamination in which did not receive, for example, polymeric materials, such as aluminum, a metallic material like stainless steel, ABS plastics, acrylic resin, and a polyvinyl chloride, polymeric materials, paper, a metal, etc. carried out the laminating to the shape of a layer etc. can illustrate special limitation suitably. Among these especially desirable things are aluminum and a metallic material like stainless steel. This is for hair coloring agents which exist at the time of use of the tools of this invention, such as hair dye, to tend to damage polymeric materials etc. chemically. Moreover, it is the ingredient which does not receive denaturation with the hair coloring agent held here as an ingredient for the liquid maintenance structured division, for example, has the structure of holding a liquid like a porosity condition, and is contingent [on being elastic]. This is for imprinting efficiently the hair coloring agent held into the part here to hair. As the quality of the material of this component, foaming urethane resin, the felt ground, absorbent cotton, glass wool, etc. can illustrate preferably, for example. If the thickness of these liquid maintenance structure is extent which can hold hair enough to a cylindrical opening, i.e., extent from which the opening which is the diameter of about 0.1–10cm is secured, it can be set up without special limitation and its thickness of 0.5–5cm is specifically desirable. This part can be removed, and can also be made into exchangeable structure, and such its a gestalt is more desirable. The hair coloring tools of this invention make two or more components connect with the connection tools which can be opened and closed. As such connection tools, the thing of structure like a hinge can illustrate preferably, for example. Moreover, the structure of the fitting section when being closed down can use the thing of the structure where it is known conventionally, for example, irregularity bites and is put together, the thing to depend on a magnet, the thing adapting a piece of Velcro, etc. This is because the force of extent it is made not to protrude the hair of the hair in a cylinder out of a cylinder is enough as this fitting.

[0007] (2) any of the permanent hair dye which consists of combination of the semipermanent hair dye, the aromatic amine and 1 liquid of an oxidizer using a temporary mascara type coloring agent which can be used without special limitation if it is the hair coloring agent currently generally used as a hair coloring agent used for the hair coloring tools of hair coloring agent this invention used for the hair coloring tools of this invention, for example, acid dye, and 2 liquid — although — it is usable. It is desirable to use especially the hair coloring tools which consist of two or more parts approximately in the case of oxidation type permanent hair dye. This is because a big burden will be applied to the hair of hair, when redyeing repeats dyeing repeatedly to a troublesome top in such hair dye. By using such tools, a liquid jump is carried out in addition to a coloring part, a perimeter can be soiled or hair coloring agents, such as hair dyeing liquid, can prevent making a result dirty. Moreover, conventionally, by one person, although it was impossible, the partial dyeing of the partial dyeing can be carried out very easily by using the hair coloring tools of this invention. Moreover, especially the hair coloring tools of this invention are excellent in applying the hair coloring agent of the pearl type which made the pearl pigment contain 20% of the weight or more with a mascara type. This is because it excels in the operation which the hair coloring tools of this invention apply to homogeneity in the location to which the hair coloring agent was restricted. For this reason, it is because the effectiveness of a pearl pigment can demonstrate more strongly in the narrow range. Moreover, the hair coloring tools of

this invention can be used not only for these hair dye but for spreading of decolorizers, such as a hydrogen peroxide. That is, in this invention, the word hair "coloring agent" is meant also including that to which it decolorizes hair like the charge of depilation, and it not only sees, but changes a color tone, although a color is added to hair like hair dye.

[0008]

[Example] Although an example is given to below and explanation is added to a detail about this invention, it cannot be overemphasized that this invention is not limited only to these examples.

[0009] The hair coloring tools of this invention which has the structure shown in <example 1> drawing 1 were created. These hair coloring tools are connected on the hinge 4 which is the connection tools which can open and close two semicircle cylinders made from polypropylene which have the fitting implement 5 made from polypropylene, and equip the internal semicircle cylinder 2 holding the hair coloring agent made from the felt, and the space 3 of the shape of a cylinder holding hair. The operation charges a hair coloring agent in the internal semicircle cylinder 2, opens the fitting section 5 wide, and makes cylinder-like space 3 an open space. this — a hair root — the nearby skin is made to contact, hair is placed here, fitting of the fitting section is carried out, an open space is closed, hair is held in cylindrical space, and if it is made to move to the tip of hair and the coloring tools of this invention are sampled, a hair coloring agent can be applied only to the hair held to the cylinder-like building envelope.

[0010] The usability of partial dyeing was tested using ten panelists using the hair coloring tools of this invention of the <example 2> example 1. evaluation criteria — the homogeneity of spreading of a hair coloring agent, and the tint of a coloring agent — looking to advantage — the ease of coloring — evaluation — ++: — very good +: — good **: -: which cannot be said not at all — bad — it came out. A result is shown in Table 1 as the number of the examples of an appearance. This shows that partial dyeing can be performed finely simple, when the hair coloring tools of this invention are used. In addition, the hair coloring agent which performed the example of contrast, without using any tools, and was used used the thing (mascara type hair dye) of the formula shown below.

(Formula of a hair coloring agent)

A liquid paraffin 3 Weight section carnauba wax 7 Weight section behenic acid 2 Weight section propylparaben 0.1 weight **** 30 Weight section morpholine 0.4 weight section 1,3-butanediol 5 Weight section black oxide of iron 10 Weight section talc 3 Weight section polyvinyl acetate emulsion The 39.5 weight sections [0011]

[Table 1]

項目	実施例1				対照例			
	++	+	±	-	++	+	±	-
塗布の均一性	3	7					4	6
色味の映え	3	7					5	5
着色し易さ	9	1					5	5

[0012] Like the <example 3> example 2, the hair coloring agent was changed into the thing of the following formula, and was evaluated. It is shown in Table 2 by making a result into the number of the examples of an appearance. This shows that the hair coloring tools of this invention are suitable for especially the hair coloring agent containing a pearl.

[0013]

(Formula of a hair coloring agent)

A liquid paraffin 3 Weight section carnauba wax 7 Weight section behenic acid 2 Weight section propylparaben 0.1 weight **** 30 Weight section morpholine 0.4 weight section 1,3-butanediol 5 Weight section black oxide of iron 7 Weight section clo SHIZONE red (a red pearl, marl company make) 3 Weight section talc 3 Weight section polyvinyl acetate emulsion The 39.5 weight

sections [0014]

[Table 2]

項目	実施例1				対照例			
	++	+	±	-	++	+	±	-
塗布の均一性	6	4					2	8
色味の映え	5	5					3	7
着色し易さ	9	1					1	9

[0015] The hair coloring tools of this invention which has the structure shown in <example 5> drawing 2 were created. These hair coloring tools are connected on the hinge 4 which is the connection tools which can open and close two semicircle cylinders made from stainless steel which have the fitting implement 5 made from alumite, and equip the internal semicircle cylinder 2 holding the hair coloring agent made from urethane, and the space 3 of the shape of a cylinder holding hair. The operation opens wide the fitting section which charges a hair coloring agent in the internal semicircle cylinder 2, and becomes it from a piece of Velcro (male) 5 and a piece of Velcro (female) 6, and makes cylinder-like space 3 an open space. this -- a hair root -- the nearby skin is made to contact, hair is placed here, fitting of the fitting section is carried out, an open space is closed, hair is held in cylindrical space, and if it is made to move to the tip of hair and the coloring tools of this invention are sampled, a hair coloring agent can be applied only to the hair held to the cylinder-like building envelope. When the hair coloring agent of a publication was applied to the example 2, it had the similarly excellent spreading operation.

[0016] The hair coloring tools of this invention which has the structure shown in <example 6> drawing 3 were created. These hair coloring tools the semicircle cylinder 6 made from stainless steel which has the fitting implement 5 made from alumite, and the semicircle cylinder 8 which has the fitting implement 7 made from alumite The internal semicircle cylinder 2 (however, the part linked to the semicircle cylinders 6 and 8 is divided in order, and is two parts.) which connects on the hinge 4 which is the connection tools which can be opened and closed in the semicircle cylinder 9 which has the fitting implements 5 and 7, and holds the hair coloring agent made from urethane The space 3 of the shape of a cylinder holding hair is equipped. The operation charges the aromatic amine liquid of a reaction type hair coloring agent to the anterior part of the internal semicircle cylinder 2. Charge the oxidizing agent liquid of reaction type hair coloring liquid in the hind semicircle cylinder 2, open the fitting sections 5 and 7 wide, and cylinder-like space 3 is made into an open space. this -- a hair root, if make the nearby skin contact and place hair here, and carry out fitting of the fitting section, close an open space, hair is held in cylindrical space, the coloring tools of this invention are moved to the tip of hair and it samples It can apply making a hair coloring agent react only to the hair held to the cylinder-like building envelope. When commercial reaction type hair dye was applied, it had the outstanding spreading operation. With such a configuration, it turns out that it is applicable also to reaction type hair dye.

[0017] When the semipermanent hair dye using commercial acid dye was applied using the tools of the example 5 which has the structure shown in <example 7> drawing 2 like an example 5, it had the spreading operation which was excellent like the example 5.

[0018]

[Effect of the Invention] According to this invention, the tools which cheat out of partial coloring of hair possible finely easily can be offered.

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DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] It is drawing of the hair coloring tools of this invention given in an example 1.

[Drawing 2] It is drawing of the hair coloring tools of this invention given in an example 5.

[Drawing 3] It is drawing of the hair coloring tools of this invention given in an example 6.

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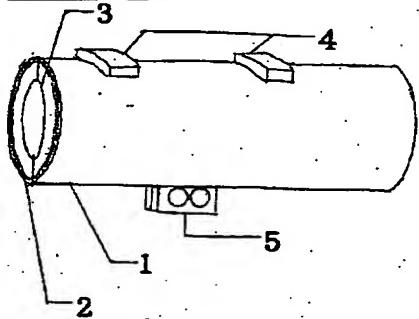
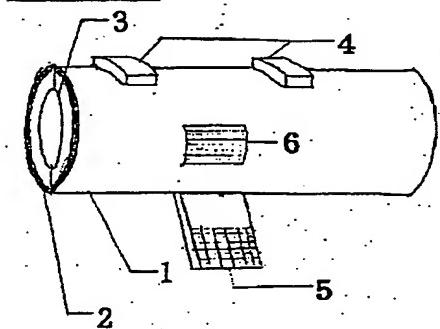
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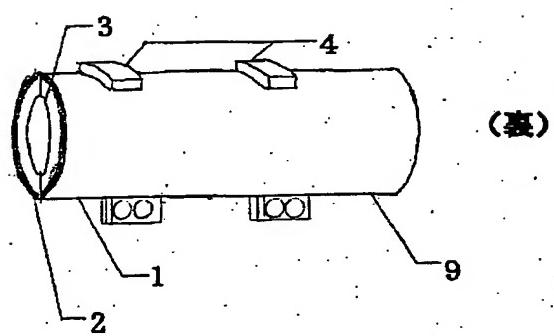
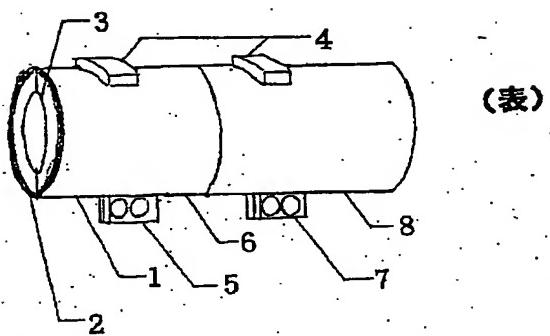
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DRAWINGS

[Drawing 1]**[Drawing 2]****[Drawing 3]**



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(54)【発明の名称】毛髪着色用具

(57)【要約】 (修正有)

【課題】 本発明は、手軽に綺麗に毛髪の部分着色を可能にせしめる用具を提供することを課題とする。

【解決手段】 二つの半円筒形部品を開閉可能な連結部品で連結した用具であって、閉鎖した構造が維持できる機能を有する嵌合構造を有し、当該二つの半円筒内部に液体保持構造を有することを特徴とする、毛髪着色用具を提供する。本発明によれば、手軽に綺麗に毛髪の部分着色を可能にせしめる用具を提供することができる。

1

2

【特許請求の範囲】

【請求項1】二つの半円筒形部品を開閉可能な連結部品で連結した用具であって、閉鎖した構造が維持できる機能を有する嵌合構造を有し、当該二つの半円筒内部に液体保持構造を有することを特徴とする、毛髪着色用具。

【請求項2】閉鎖時にできる円筒内部の空間が直径0.1~10cmであることを特徴とする、請求項1に記載の毛髪着色用具。

【請求項3】液体保持構造が着脱・交換可能な構造であることを特徴とする、請求項1又は2に記載の毛髪着色用具。

【請求項4】二つの請求項1~3の何れか一項に記載の毛髪着色用具を中空の穴が連続するように連結したものであって、当該二つの円筒構造が独立に開閉可能な構造であることを特徴とする毛髪着色用具。

【請求項5】マスカラ状毛髪着色剤を液体保持構造に含浸させることを特徴とする、請求項1~3の何れか一項に記載の毛髪着色用具。

【請求項6】2つの連結された毛髪着色用具の片方に酸化染毛料の第1液(被酸化物質を含む液)を含浸し、他方に第2液(酸化剤)を含浸させることを特徴とする請求項4に記載の毛髪着色用具。

【請求項7】部分毛髪着色用であることを特徴とする請求項1~6の何れか一項に記載の毛髪着色用具。

【発明の詳細な説明】

【0001】

【発明の属する技術分野】本発明は、毛髪の部分着色に有用な毛髪着色用具に関する。

【0002】

【従来の技術】近年毛髪の装飾は老若に関わらず盛んになっている。従来までは、総ての髪の毛総てを同じ色に染めるのが主流であった。しかしながら、近頃では、多色に部分染めをしたり、毛髪の一部のみを染毛或いは着色したりすることが盛んに行われるようになってきた。この様な毛髪の部分着色に於いて最も問題となることは、着色すべき毛髪を確実に綺麗に着色する事であり、この為、多数の人の手を煩わせて一ヵ所一ヵ所丁寧に着色しなければならなかった。即ち、一人で手軽に部分染めする事は望まれているにも関わらず見果てぬ夢と言わざるを得なかった。これは、酸化型染毛料のような永久染毛料の場合に於いても、マスカラ型の様な一時染毛料や過酸化水素を主成分とする脱色剤等の場合に於いても同様に望まれていることであった。

【0003】一方、染毛料やマスカラ型毛髪装飾料などの毛髪着色料を使用するための用具は、例えば、的確に髪の毛に投与する用具や染毛料等が肌に漏れるのを防ぐ用具などが開発されているが、綺麗に、手軽に部分着色をするための用具は未だかつて開発されていなかったし、二つの半円筒形部品を開閉可能な連結部品で連結し

た用具であって、閉鎖した構造が維持できる機能を有する嵌合構造を有し、当該二つの半円筒内部に液体保持構造を有することを特徴とする用具及びこれに類似の構造を有する用具の存在は知られておらず、この様な用具を毛髪の部分着色のための用具として使用することは勿論全く知られていなかった。

【0004】

【発明が解決しようとする課題】本発明はこの様な状況下行われたものであり、手軽に綺麗に毛髪の部分着色を可能にせしめる用具を提供することを課題とする。

【0005】

【課題の解決手段】かかる状況に鑑みて、本発明者らは手軽に綺麗に毛髪の部分着色を可能にせしめる用具を求めて鋭意研究努力を重ねた結果、二つの半円筒形部品を開閉可能な連結部品で連結した用具であって、閉鎖した構造が維持できる機能を有する嵌合構造を有し、当該二つの半円筒内部に液体保持構造を有することを特徴とする用具がその様な機能を有していることを見いだし発明を完成させるに至った。尚、本発明に於いて、毛髪の着色とは、髪の毛、髪、眉毛、睫等の毛髪に色材を付着させたり、化学結合させたりする積極的着色の他、これらの毛髪の色調を過酸化水素などにより脱色して変化させる消極的着色も含んで意味する。以下、本発明について、実施の形態を中心に詳細に説明を加える。

【0006】

【発明の実施の形態】

(1) 本発明の毛髪着色用具

本発明の毛髪着色用具は、二つの半円筒形部品を開閉可能な連結部品で連結した用具であって、閉鎖した構造が維持できる機能を有する嵌合構造を有し、当該二つの半円筒内部に液体保持構造を有することを特徴とする。即ち、本発明の毛髪着色用具は、嵌合部を嵌合させ閉じたときには、円筒の最内部に円筒状の上下開放した空間を有し、その外側には液体保持構造を有し、最外殻は用具の構造体となっている。ここで最外部の構造体の原材料としては、構造を維持するような材料であれば特段の限は受けず、例えば、アルミニウム、ステンレスのような金属材料、ABS樹脂、アクリル樹脂、ポリ塩化ビニル等の高分子材料、高分子材料、紙、金属等が層状に積層したラミネートのような複合材料等が好適に例示できる。これらの内特に好ましいものは、アルミニウムやステンレスのような金属材料である。これは、本発明の用具の使用時に存在する、染毛料等の毛髪着色料が高分子材料等を化学的に損傷し易い為である。又、液体保持構造部分の材料としては、ここに保持される毛髪着色料によって変性を受けない材料であって、例えば多孔質状態の様に液体を保持する構造を有し、弾力があることを条件とする。これは、この部分に保持した毛髪着色料を効率よく毛髪に転写するためである。かかる部品の材質としては、例えば、発泡ウレタン樹脂、フェルト地、脱

脂綿、グラスウール等が好ましく例示できる。これら液体保持構造の厚さは、円筒状空隙に充分毛髪がホールドできる程度、即ち、直径0.1~10cm程度の空隙が確保される程度であれば特段の限定なく設定することができ、具体的には0.5~5cmの厚さが好ましい。この部分は取り外し交換可能な構造とすることもでき、この様な形態がより好ましい。本発明の毛髪着色用具は開閉が可能な連結用具で二つ以上の部品を連結させたものである。この様な連結用具としては、例えば蝶番のような構造のものが好ましく例示できる。又、閉鎖したときの嵌合部の構造は従来知られている、例えば、凹凸が噛み合わせる構造のものや磁石によるもの、マジックテープを応用したものなどを利用することができる。これはかかる嵌合が円筒中の髪の毛を円筒の外にはみ出さないようにする程度の力で充分だからである。

【0007】(2) 本発明の毛髪着色用具に用いる毛髪着色料

本発明の毛髪着色用具に用いる毛髪着色料としては、一般に使用されている毛髪着色料であれば特段の限定なく使用することが可能であり、例えば、マスカラタイプの一時的な着色料、酸性染料を用いる半永久染毛料、芳香族アミンと酸化剤の1液と2液の組み合わせからなる永久染毛料の何れもが使用可能である。特に酸化型永久染毛料の場合には、前後2つ以上の部分からなる毛髪着色用具を使用するのが好ましい。これは、この様な染毛料に於いては染め直しが厄介な上に、何度も染色作業を重ねると髪の毛に大きな負担をかけることになるためである。この様な用具を使うことにより、染毛液などの、毛髪着色料が着色部位以外に液飛びし周囲を汚したり、仕上がりを汚くさせることを防ぐことができる。又、従来は一人では部分染めは不可能であったが本発明の毛髪着色用具を用いることにより極めてたやすく部分染めする事ができる。又、マスカラタイプでは、パール顔料を20重量%以上含有させたパールタイプの毛髪着色料を塗布するのに本発明の毛髪着色用具は特に優れている。これは本発明の毛髪着色用具が毛髪着色料を限られた場所

(毛髪着色剤の処方)

流動パラフィン	3	重量部
カルナウバワックス	7	重量部
ベヘン酸	2	重量部
プロビルバラベン	0.1	重量部
水	30	重量部
モルフォリン	0.4	重量部
1,3-ブタンジオール	5	重量部
黒酸化鉄	10	重量部
タルク	3	重量部
ポリ酢酸ビニルエマルジョン	39.5	重量部

【0011】

* に均一に塗布する作用に優れる為である。この為、狭い範囲にパール顔料の効果がより強く發揮できるためである。又、本発明の毛髪着色用具は、これら染毛料のみならず、過酸化水素などの脱色剤の塗布にも用いることができる。即ち本発明に於いては、毛髪着色料という言葉は、染毛料などのように毛髪に色をつけ加えるもののみに限らず、脱毛料のように毛髪を脱色し色調を変化させるものも含んで意味する。

【0008】

10 【実施例】以下に、実施例を挙げて本発明について詳細に説明を加えるが、本発明がこれら実施例にのみに限定されないことは言うまでもない。

【0009】<実施例1>図1に示す構造を有する本発明の毛髪着色用具を作成した。この毛髪着色用具は、ポリプロピレン製の嵌合具5を有するポリプロピレン製の半円筒2つを開閉可能な連結用具である蝶番4で連結したものであって、フェルト製の毛髪着色料を保持する内部半円筒2と毛髪を保持する円筒状の空間3とを装備する。その使用方法は内部半円筒2に毛髪着色料をチャージし嵌合部5を開放して円筒状の空間3を開放空間とし、これを毛根近くの皮膚に接触させ、ここに毛髪を置き、嵌合部を嵌合させて開放空間を開鎖し毛髪を円筒状空間内に保持し、本発明の着色用具を毛髪の先端へと移動させて抜き取れば、毛髪着色料を円筒状の内部空間に保持した毛髪にのみ塗布することができる。

【0010】<実施例2>実施例1の本発明の毛髪着色用具を用いて、部分染めの使用性をバネラー10名を用いてテストした。評価項目は、毛髪着色料の塗布の均一性、着色料の色味の映え、着色し易さであり、評価は++: 非常によい、+: 良い、±: 何とも言えない、-: 悪いであった。結果を表1に出現例数として示す。これより、本発明の毛髪着色用具を用いると、部分染めが簡便に綺麗に行えることが判る。尚、対照例は何も用具を用いずに行ったものであり、使用した毛髪着色剤は下記に示す処方のもの（マスカラタイプの染毛料）を用いた。

3	重量部
7	重量部
2	重量部
0.1	重量部
30	重量部
0.4	重量部
5	重量部
10	重量部
3	重量部
39.5	重量部

【表1】

項目	実施例1				対照例			
	++	+	±	-	++	+	±	-
塗布の均一性	3	7					4	6
色味の映え	3	7					5	5
着色し易さ	9	1					5	5

【0012】<実施例3>実施例2と同様に、毛髪着色剤を下記の処方のものに変えて評価した。結果を出現例数として表2に示す。これより、本発明の毛髪着色用具*

*はバールを含有する毛髪着色料に特に好適であることが判る。

【0013】

(毛髪着色剤の処方)

流動パラフィン	3	重量部
カルナウバワックス	7	重量部
ベヘン酸	2	重量部
プロピルパラベン	0.1	重量部
水	30	重量部
モルフォリン	0.4	重量部
1, 3-ブantanジオール	5	重量部
黒酸化鉄	7	重量部
クロシゾネレッド(赤色バール、マール社製)	3	重量部
タルク	3	重量部
ポリ酢酸ビニルエマルジョン	39.5	重量部

【0014】

※※【表2】

項目	実施例1				対照例			
	++	+	±	-	++	+	±	-
塗布の均一性	6	4					2	8
色味の映え	5	5					3	7
着色し易さ	9	1					1	9

【0015】<実施例5>図2に示す構造を有する本発明の毛髪着色用具を作成した。この毛髪着色用具は、アルマイト製の嵌合具5を有するステンレス製の半円筒2つを開閉可能な連結用具である蝶番4で連結したものであって、ウレタン製の毛髪着色料を保持する内部半円筒2と毛髪を保持する円筒状の空間3とを装備する。その使用方法は内部半円筒2に毛髪着色料をチャージしマジックテープ(雄)5とマジックテープ(雌)6からなる嵌合部を開放して円筒状の空間3を開放空間とし、これを毛根近くの皮膚に接触させ、ここに毛髪を置き、嵌合部を嵌合させて開放空間を閉鎖し毛髪を円筒状空間内に保持し、本発明の着色用具を毛髪の先端へと移動させて抜き取れば、毛髪着色料を円筒状の内部空間に保持した毛髪にのみ塗布することができる。実施例2に記載の毛

髪着色料を塗布してみたところ、同様に優れた塗布作用を有していた。

【0016】<実施例6>図3に示す構造を有する本発明の毛髪着色用具を作成した。この毛髪着色用具は、アルマイト製の嵌合具5を有するステンレス製の半円筒6とアルマイト製の嵌合具7を有する半円筒8とを、嵌合具5と7を有する半円筒9に開閉可能な連結用具である蝶番4で連結したものであって、ウレタン製の毛髪着色料を保持する内部半円筒2(但し、半円筒6、8に接続する部分は、前後で分かれて2つの部分になっている。)と毛髪を保持する円筒状の空間3とを装備する。その使用方法は内部半円筒2の前部に反応型毛髪着色料の芳香族アミン液をチャージし、後部の半円筒2に反応型毛髪着色液の酸化剤液をチャージし、嵌合部5、7を

開放して円筒状の空間3を開放空間とし、これを毛根近くの皮膚に接触させ、ここに毛髪を置き、嵌合部を嵌合させて開放空間を閉鎖し毛髪を円筒状空間内に保持し、本発明の着色用具を毛髪の先端へと移動させて抜き取れば、毛髪着色料を円筒状の内部空間に保持した毛髪にのみ反応させながら塗布することができる。市販の反応型染毛料を塗布してみたところ、優れた塗布作用を有していた。この様な形状であれば反応型染毛料にも応用できることが判る。

【0017】<実施例7>図2に示す構造を有する実施例5の用具を実施例5と同様に用いて、市販の、酸性染料を用いた半永久染毛料を塗布してみたところ、実施例*

* 5と同様に優れた塗布作用を有していた。

【0018】

【発明の効果】本発明によれば、手軽に綺麗に毛髪の部分着色を可能にせしめる用具を提供することができる。

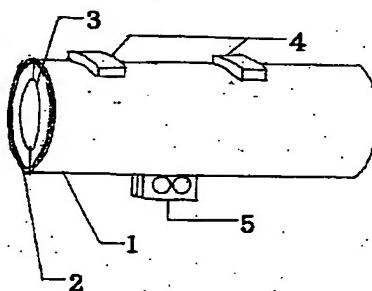
【図面の簡単な説明】

【図1】 実施例1に記載の本発明の毛髪着色用具の図である。

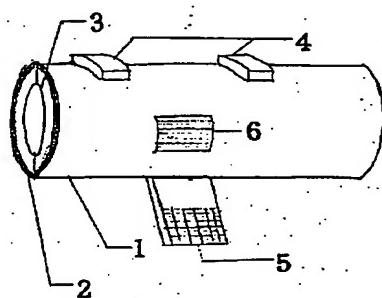
【図2】 実施例5に記載の本発明の毛髪着色用具の図である。

【図3】 実施例6に記載の本発明の毛髪着色用具の図である。

【図1】



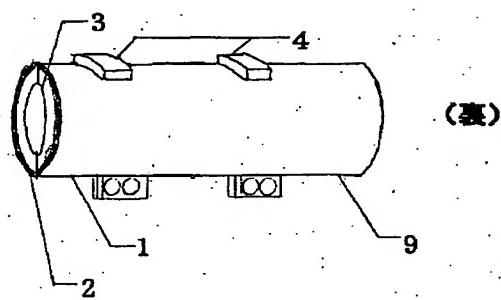
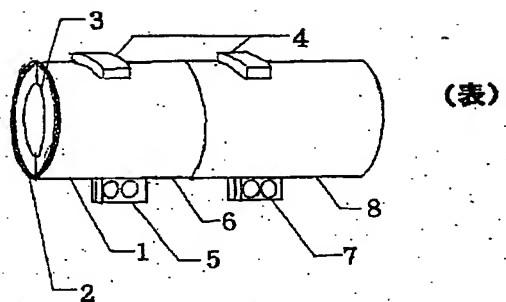
【図2】



(6)

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【図3】



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